

Hyunjun Kim

List of Publications by Year in descending order

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296
papers

11,429
citations

24978

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87
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docs citations

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times ranked

6725
citing authors

#	ARTICLE	IF	CITATIONS
1	Salicylimine-Based Fluorescent Chemosensor for Aluminum Ions and Application to Bioimaging. <i>Inorganic Chemistry</i> , 2012, 51, 3597-3602.	1.9	335
2	Stereospecific Alkane Hydroxylation with H ₂ O ₂ Catalyzed by an Iron(II)-Tris(2-pyridylmethyl)amine Complex. <i>Journal of the American Chemical Society</i> , 1997, 119, 5964-5965.	6.6	310
3	A single schiff base molecule for recognizing multiple metal ions: A fluorescence sensor for Zn(II) and Al(III) and colorimetric sensor for Fe(II) and Fe(III). <i>Sensors and Actuators B: Chemical</i> , 2014, 194, 343-352.	4.0	271
4	A cap-type Schiff base acting as a fluorescence sensor for zinc(ii) and a colorimetric sensor for iron(ii), copper(ii), and zinc(ii) in aqueous media. <i>Dalton Transactions</i> , 2013, 42, 16569.	1.6	251
5	New Insights into the Mechanisms of O-O Bond Cleavage of Hydrogen Peroxide and tert-Alkyl Hydroperoxides by Iron(III) Porphyrin Complexes. <i>Journal of the American Chemical Society</i> , 2000, 122, 8677-8684.	6.6	233
6	A selective colorimetric and fluorescent chemosensor based-on naphthol for detection of Al ³⁺ and Cu ²⁺ . <i>Dyes and Pigments</i> , 2013, 99, 6-13.	2.0	217
7	A new multifunctional Schiff base as a fluorescence sensor for Al ³⁺ and a colorimetric sensor for CN ⁻ in aqueous media: an application to bioimaging. <i>Dalton Transactions</i> , 2014, 43, 6650-6659.	1.6	203
8	High-yield epoxidations with hydrogen peroxide and tert-butyl hydroperoxide catalyzed by iron(III) porphyrins: heterolytic cleavage of hydroperoxides. <i>Journal of the American Chemical Society</i> , 1993, 115, 2775-2781.	6.6	181
9	A colorimetric and fluorescent sensor for sequential detection of Copper ion and cyanide. <i>Tetrahedron</i> , 2014, 70, 2822-2828.	1.0	159
10	Fluorescent chemosensor based-on naphthol-quinoline for selective detection of aluminum ions. <i>Tetrahedron Letters</i> , 2011, 52, 5581-5584.	0.7	157
11	Evidence for the Participation of Two Distinct Reactive Intermediates in Iron(III) Porphyrin Complex-Catalyzed Epoxidation Reactions. <i>Journal of the American Chemical Society</i> , 2000, 122, 6641-6647.	6.6	150
12	A naked-eye chemosensor for simultaneous detection of iron and copper ions and its copper complex for colorimetric/fluorescent sensing of cyanide. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 257-271.	4.0	141
13	A colorimetric sensor for the sequential detection of Cu ²⁺ and CN ⁻ in fully aqueous media: practical performance of Cu ²⁺ . <i>Dalton Transactions</i> , 2015, 44, 9120-9129.	1.6	138
14	A single molecule that acts as a fluorescence sensor for zinc and cadmium and a colorimetric sensor for cobalt. <i>Dalton Transactions</i> , 2013, 42, 15514.	1.6	133
15	Janus-faced Sestrin2 controls ROS and mTOR signalling through two separate functional domains. <i>Nature Communications</i> , 2015, 6, 10025.	5.8	122
16	Fluorescent dye containing phenol-pyridyl for selective detection of aluminum ions. <i>Dyes and Pigments</i> , 2013, 96, 590-594.	2.0	111
17	A colorimetric "naked-eye"-Cu(II) chemosensor and pH indicator in 100% aqueous solution. <i>Dalton Transactions</i> , 2014, 43, 5652-5656.	1.6	109
18	Urea/thiourea-based colorimetric chemosensors for the biologically important ions: efficient and simple sensors. <i>Tetrahedron</i> , 2006, 62, 9635-9640.	1.0	107

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19	Participation of Two Distinct Hydroxylating Intermediates in Iron(III) Porphyrin Complex-Catalyzed Hydroxylation of Alkanes. <i>Journal of the American Chemical Society</i> , 2000, 122, 10805-10809.	6.6	104
20	Colorimetric detection of Fe ³⁺ and Fe ²⁺ and sequential fluorescent detection of Al ³⁺ and pyrophosphate by an imidazole-based chemosensor in a near-perfect aqueous solution. <i>Dyes and Pigments</i> , 2017, 139, 136-147.	2.0	99
21	A single fluorescent chemosensor for multiple target ions: Recognition of Zn ²⁺ in 100% aqueous solution and F ⁻ in organic solvent. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 36-43.	4.0	96
22	A colorimetric chemosensor for the sequential detection of copper(II) and cysteine. <i>Dyes and Pigments</i> , 2015, 116, 131-138.	2.0	96
23	An anthracene-based fluorescent sensor for sequential detection of zinc and copper ions. <i>Inorganic Chemistry Communication</i> , 2014, 39, 61-65.	1.8	93
24	Dual-channel detection of Cu ²⁺ and F ⁻ with a simple Schiff-based colorimetric and fluorescent sensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 1649-1657.	2.0	93
25	A diaminomaleonitrile based selective colorimetric chemosensor for copper(II) and fluoride ions. <i>New Journal of Chemistry</i> , 2015, 39, 2580-2587.	1.4	87
26	A multifunctional colorimetric chemosensor for cyanide and copper(II) ions. <i>Sensors and Actuators B: Chemical</i> , 2015, 211, 498-506.	4.0	86
27	Solvent-dependent selective fluorescence assay of aluminum and gallium ions using julolidine-based probe. <i>Dyes and Pigments</i> , 2013, 99, 1016-1021.	2.0	84
28	Zinc sensors with lower binding affinities for cellular imaging. <i>Dalton Transactions</i> , 2013, 42, 5500.	1.6	84
29	Synthesis, structure and heterogeneous catalytic activity of a coordination polymer containing tetranuclear Cu(II)-btp units connected by nitrates. <i>Dalton Transactions</i> , 2003, , 1454-1456.	1.6	74
30	A single colorimetric sensor for multiple target ions: the simultaneous detection of Fe ²⁺ and Cu ²⁺ in aqueous media. <i>RSC Advances</i> , 2014, 4, 22463-22469.	1.7	74
31	Biomimetic Hydrocarbon Oxidation Catalyzed by Nonheme Iron(III) Complexes with Peracids: Evidence for an Fe ^V =O Species. <i>Chemistry - A European Journal</i> , 2007, 13, 9393-9398.	1.7	72
32	A phthalazine-based two-in-one chromogenic receptor for detecting Co ²⁺ and Cu ²⁺ in an aqueous environment. <i>Dalton Transactions</i> , 2015, 44, 13305-13314.	1.6	72
33	Turn-on selective fluorescent probe for trivalent cations. <i>Inorganic Chemistry Communication</i> , 2013, 36, 72-76.	1.8	69
34	A colorimetric chemosensor based on a Schiff base for highly selective sensing of cyanide in aqueous solution: the influence of solvents. <i>New Journal of Chemistry</i> , 2014, 38, 5769-5776.	1.4	69
35	A multifunctional sensor: Chromogenic sensing for Mn ²⁺ and fluorescent sensing for Zn ²⁺ and Al ³⁺ . <i>Sensors and Actuators B: Chemical</i> , 2014, 201, 535-544.	4.0	69
36	Zinc selective chemosensor based on pyridyl-amide fluorescence. <i>Tetrahedron</i> , 2011, 67, 8073-8078.	1.0	68

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37	A colorimetric organic chemo-sensor for Co ²⁺ in a fully aqueous environment. Dalton Transactions, 2014, 43, 6618-6622.	1.6	68
38	A dual chemosensor for Zn ²⁺ and Co ²⁺ in aqueous media and living cells: Experimental and theoretical studies. Sensors and Actuators B: Chemical, 2016, 223, 509-519.	4.0	68
39	Metal-directed supramolecular assembly of metal(II) benzoates (M=Co, Ni, Cu, Zn, Mn, and Cd) with 4,4'-bipyridine: Effects of metal coordination modes and novel catalytic activities. Polyhedron, 2009, 28, 1241-1252.	1.0	67
40	A single chemosensor for multiple target anions: The simultaneous detection of CN ⁻ and OAc ⁻ in aqueous media. Sensors and Actuators B: Chemical, 2014, 202, 645-655.	4.0	67
41	MCPBA Epoxidation of Alkenes: A Reinvestigation of Correlation between Rate and Ionization Potential. Journal of the American Chemical Society, 1998, 120, 9513-9516.	6.6	66
42	A highly sensitive benzimidazole-based chemosensor for the colorimetric detection of Fe(II) and Fe(III) and the fluorometric detection of Zn(II) in aqueous media. RSC Advances, 2016, 6, 61505-61515.	1.7	66
43	A novel selective colorimetric chemosensor for cobalt ions in a near perfect aqueous solution. Sensors and Actuators B: Chemical, 2016, 223, 234-240.	4.0	66
44	Controlled growth of narrowly dispersed nanosize hexagonal MOF rods from Mn(III)-porphyrin and In(NO ₃) ₃ and their application in olefin oxidation. Chemical Communications, 2012, 48, 5512.	2.2	65
45	A highly selective turn-on chemosensor capable of monitoring Zn ²⁺ concentrations in living cells and aqueous solution. Sensors and Actuators B: Chemical, 2015, 215, 568-576.	4.0	65
46	Chelate-type Schiff base acting as a colorimetric sensor for iron in aqueous solution. Sensors and Actuators B: Chemical, 2015, 215, 188-195.	4.0	65
47	A fluorescent and colorimetric chemosensor for selective detection of aluminum in aqueous solution. Tetrahedron Letters, 2014, 55, 1347-1352.	0.7	64
48	Colorimetric Detection of Cu ²⁺ and Fluorescent Detection of PO ₄ ³⁻ and S ²⁻ by a Multifunctional Chemosensor. Industrial & Engineering Chemistry Research, 2017, 56, 8399-8407.	1.8	64
49	Synthesis, structure and heterogeneous catalytic activities of Cu-containing polymeric compounds: anion effect and comparison of homogeneous vs. heterogeneous catalytic activity Electronic supplementary information (ESI) available: XRD pattern before and after the catalysis of compounds 2 and 3. See http://www.rsc.org/suppdata/dt/b4/b406877g1 . Dalton Transactions, 2004, 2697.	1.6	63
50	An anthracene-based fluorescent chemosensor for Zn ²⁺ . Tetrahedron Letters, 2013, 54, 2415-2418.	0.7	63
51	A novel colorimetric chemosensor for the sequential detection of Ni ²⁺ and CN ⁻ in aqueous solution. Sensors and Actuators B: Chemical, 2017, 242, 25-34.	4.0	63
52	A dual sensor selective for Hg ²⁺ and cysteine detection. Sensors and Actuators B: Chemical, 2018, 255, 2756-2763.	4.0	63
53	Specific naked eye sensing of cyanide by chromogenic host: studies on the effect of solvents. Tetrahedron Letters, 2013, 54, 1015-1019.	0.7	62
54	Multiple target chemosensor: a fluorescent sensor for Zn(II) and Al(III) and a chromogenic sensor for Fe(II) and Fe(III). RSC Advances, 2015, 5, 11229-11239.	1.7	60

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55	Biomimetic alcohol oxidations by an iron(III) porphyrin complex: relevance to cytochrome P-450 catalytic oxidation and involvement of the two-state radical rebound mechanism. <i>Dalton Transactions</i> , 2005, , 402.	1.6	59
56	Zinc selective chemosensors based on the flexible dipicolylamine and quinoline. <i>Inorganica Chimica Acta</i> , 2013, 394, 542-551.	1.2	59
57	A highly selective CHEF-type chemosensor for monitoring Zn ²⁺ in aqueous solution and living cells. <i>RSC Advances</i> , 2015, 5, 41905-41913.	1.7	59
58	A novel "off-on" type fluorescent chemosensor for detection of Zn ²⁺ and its zinc complex for "on-off" fluorescent sensing of sulfide in aqueous solution, in vitro and in vivo. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 58-69.	4.0	59
59	Controlling self-assembly of zinc(II)-benzoate coordination complexes with 1,4-bis(4-pyridyl)ethane by varying solvent and ligand-to-metal ratio: Their catalytic activities. <i>Polyhedron</i> , 2009, 28, 553-561.	1.0	58
60	Biomimetic alkane hydroxylation by cobalt(III) porphyrin complex and m-chloroperbenzoic acid. <i>Chemical Communications</i> , 2001, , 1262-1263.	2.2	57
61	A colorimetric chemosensor for the sequential detection of copper ion and amino acids (cysteine and Tj ETQq1 1 0,784314 rgBT /Over	1.7	57
62	Salicylimine-Based Colorimetric and Fluorescent Chemosensor for Selective Detection of Cyanide in Aqueous Buffer. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 1985-1989.	1.0	56
63	A water-soluble carboxylic-functionalized chemosensor for detecting Al ³⁺ in aqueous media and living cells: Experimental and theoretical studies. <i>Biosensors and Bioelectronics</i> , 2015, 69, 226-229.	5.3	55
64	A water-soluble fluorescence chemosensor for the sequential detection of Zn ²⁺ and pyrophosphate in living cells and zebrafish. <i>Dyes and Pigments</i> , 2018, 152, 131-138.	2.0	55
65	Simultaneous detection of Cu ²⁺ and Cr ³⁺ by a simple Schiff-base colorimetric chemosensor bearing NBD (7-nitrobenzo-2-oxa-1,3-diazolyl) and julolidine moieties. <i>Tetrahedron</i> , 2016, 72, 5563-5570.	1.0	54
66	A multifunctional selective "turn-on" fluorescent chemosensor for detection of Group IIIA ions Al ³⁺ , Ga ³⁺ and In ³⁺ . <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1247-1255.	1.6	53
67	Sequential colorimetric recognition of Cu ²⁺ and CN ⁻ by asymmetric coumarin-conjugated naphthol groups in aqueous solution. <i>Dyes and Pigments</i> , 2014, 109, 127-134.	2.0	52
68	A single chemosensor for multiple analytes: fluorogenic detection of Zn ²⁺ and OAc ⁻ ions in aqueous solution, and an application to bioimaging. <i>New Journal of Chemistry</i> , 2014, 38, 2587-2594.	1.4	52
69	A selective colorimetric chemosensor with an electron-withdrawing group for multi-analytes CN ⁻ and F ⁻ . <i>New Journal of Chemistry</i> , 2015, 39, 3900-3907.	1.4	51
70	A novel colorimetric chemosensor for multiple target metal ions Fe ²⁺ , Co ²⁺ , and Cu ²⁺ in a near-perfect aqueous solution: Experimental and theoretical studies. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 291-301.	4.0	51
71	Colorimetric chemosensor for multiple targets, Cu ²⁺ , CN ⁻ and S ²⁻ . <i>RSC Advances</i> , 2016, 6, 16586-16597.	1.7	50
72	A new Schiff-base chemosensor for selective detection of Cu ²⁺ and Co ²⁺ and its copper complex for colorimetric sensing of S ²⁻ in aqueous solution. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1677-1689.	1.6	50

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73	A new coumarin-based chromogenic chemosensor for the detection of dual analytes Al ³⁺ and F ⁻ . RSC Advances, 2014, 4, 63882-63890.	1.7	49
74	A highly selective and sensitive fluorescent turn-on Al ³⁺ chemosensor in aqueous media and living cells: experimental and theoretical studies. New Journal of Chemistry, 2016, 40, 171-178.	1.4	49
75	Stereoselective alkane hydroxylations by metal salts and m-chloroperbenzoic acid. Tetrahedron Letters, 2002, 43, 5487-5490.	0.7	48
76	A colorimetric and fluorescent chemosensor for selective detection of Cr ³⁺ and Al ³⁺ . Inorganic Chemistry Communication, 2013, 33, 48-51.	1.8	48
77	A fluorescence sensor for Zn ²⁺ that also acts as a visible sensor for Co ²⁺ and Cu ²⁺ . Sensors and Actuators B: Chemical, 2015, 213, 268-275.	4.0	48
78	Detection of multiple analytes (CN ⁻ and F ⁻) based on a simple pyrazine-derived chemosensor in aqueous solution: Experimental and theoretical approaches. Sensors and Actuators B: Chemical, 2015, 207, 123-132.	4.0	48
79	Turn-on fluorescent chemosensor for selective detection of Zn ²⁺ in an aqueous solution: Experimental and theoretical studies. Inorganic Chemistry Communication, 2016, 63, 35-38.	1.8	48
80	A novel benzophenone-based colorimetric chemosensor for detecting Cu ²⁺ and F ⁻ . Journal of Chemical Sciences, 2019, 131, 1.	0.7	48
81	Construction of Zn ^{II} Compounds with a Chelating 2,2'-bipyridylamine (Hdpa) Ligand: Anion Effect and Catalytic Activities. European Journal of Inorganic Chemistry, 2008, 2008, 408-415.	1.0	47
82	Zn-MOFs Containing Flexible Alkane (or Alkene)-Dicarboxylates and 1,2-Bis(4-pyridyl)ethane Ligands: CO ₂ Sorption and Photoluminescence. Crystal Growth and Design, 2013, 13, 4815-4823.	1.4	47
83	Solvent-dependent chromogenic sensing for Cu ²⁺ and fluorogenic sensing for Zn ²⁺ and Al ³⁺ : a multifunctional chemosensor with dual-mode. Tetrahedron, 2014, 70, 7429-7438.	1.0	47
84	Selective zinc sensor based on pyrazoles and quinoline used to image cells. Dyes and Pigments, 2015, 113, 723-729.	2.0	47
85	A single colorimetric sensor for multiple targets: the sequential detection of Co ²⁺ and cyanide and the selective detection of Cu ²⁺ in aqueous solution. RSC Advances, 2017, 7, 17650-17659.	1.7	46
86	A fluorescence turn-on chemosensor for Hg ²⁺ and Ag ⁺ based on NBD (7-nitrobenzo-2-oxa-1,3-diazolyl). RSC Advances, 2017, 7, 290-299.	1.7	46
87	A novel colorimetric chemosensor for detection of Co ²⁺ and S ²⁻ in an aqueous environment. Sensors and Actuators B: Chemical, 2017, 242, 792-800.	4.0	46
88	Naked eye detection of fluoride and pyrophosphate with an anion receptor utilizing anthracene and nitrophenyl group as signaling group. Tetrahedron Letters, 2011, 52, 2759-2763.	0.7	45
89	Solvent-dependent selective fluorescence sensing of Al ³⁺ and Zn ²⁺ using a single Schiff base. Inorganic Chemistry Communication, 2014, 45, 15-19.	1.8	45
90	Thiophene and diethylaminophenol-based turn-on fluorescence chemosensor for detection of Al ³⁺ and F ⁻ in a near-perfect aqueous solution. Tetrahedron, 2017, 73, 2690-2697.	1.0	45

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91	Fluorescent determination of zinc by a quinoline-based chemosensor in aqueous media and zebrafish. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 219, 74-82.	2.0	45
92	Selective fluorescence assay of aluminum and cyanide ions using chemosensor containing naphthol. <i>RSC Advances</i> , 2014, 4, 18094-18099.	1.7	44
93	A PET-based fluorometric chemosensor for the determination of mercury(II) and pH, and hydrolysis reaction-based colorimetric detection of hydrogen sulfide. <i>Dalton Transactions</i> , 2016, 45, 5700-5712.	1.6	44
94	Monomeric, trimeric, and tetrameric transition metal complexes (Mn, Fe, Co) containing N,N-bis(2-pyridylmethyl)-2-aminoethanol-ate: preparation, crystal structure, molecular magnetism and oxidation catalysis. <i>Dalton Transactions</i> , 2011, 40, 5762.	1.6	43
95	Sequential detection of copper(II) and cyanide by a simple colorimetric chemosensor. <i>Inorganic Chemistry Communication</i> , 2016, 74, 62-65.	1.8	43
96	A simple Schiff-base fluorescence probe for the simultaneous detection of Ga ³⁺ and Zn ²⁺ . <i>Inorganica Chimica Acta</i> , 2017, 461, 127-135.	1.2	43
97	Single fluorescent chemosensor for multiple targets: sequential detection of Al ³⁺ and pyrophosphate and selective detection of F ⁻ in near-perfect aqueous solution. <i>New Journal of Chemistry</i> , 2017, 41, 15590-15600.	1.4	43
98	Anion effects on the crystal structures of ZnII complexes containing 2,2'-bipyridine: Their photoluminescence and catalytic activities. <i>Polyhedron</i> , 2011, 30, 1555-1564.	1.0	42
99	Remarkable Solvent, Porphyrin Ligand, and Substrate Effects on Participation of Multiple Active Oxidants in Manganese(III) Porphyrin Catalyzed Oxidation Reactions. <i>Chemistry - A European Journal</i> , 2013, 19, 1810-1818.	1.7	40
100	Efficient Olefin Epoxidation by Robust Re ₄ Cluster-Supported Mn ^{III} Complexes with Peracids: Evidence of Simultaneous Operation of Multiple Active Oxidant Species, Mn ^V O ₄ , Mn ^{IV} O ₄ , and Mn ^{III} OOC(O)R. <i>Chemistry - A European Journal</i> , 2010, 16, 4678-4685.	1.7	39
101	A novel colorimetric chemosensor for multiple target ions in aqueous solution: simultaneous detection of Mn(II) and Fe(II). <i>Inorganic Chemistry Communication</i> , 2014, 46, 237-240.	1.8	39
102	A novel mononuclear Fe(III) mono(terpyridine) complex having labile solvent ligands and its catalytic activity. Electronic supplementary information (ESI) available: experimental details. See http://www.rsc.org/suppdata/dt/b2/b208413a/ . <i>Dalton Transactions RSC</i> , 2002, , 3931-3932.	2.3	38
103	Synthesis, crystal structures, photoluminescence, and catalytic reactivity of novel coordination polymers (0-D, 1-D, 2-D to 3-D) constructed from cis-1,2-cyclohexanedicarboxylic acid and various bipyridyl ligands. <i>New Journal of Chemistry</i> , 2011, 35, 833.	1.4	38
104	Fluorescent chemosensor based-on the combination of julolidine and furan for selective detection of zinc ion. <i>Inorganic Chemistry Communication</i> , 2013, 35, 342-345.	1.8	38
105	A NBD-based selective colorimetric and fluorescent chemosensor for Hg ²⁺ . <i>Tetrahedron Letters</i> , 2013, 54, 4001-4005.	0.7	38
106	A single fluorescent chemosensor for multiple targets of Cu ²⁺ , Fe ^{2+/3+} and Al ³⁺ in living cells and a near-perfect aqueous solution. <i>RSC Advances</i> , 2017, 7, 28723-28732.	1.7	38
107	Fluorescent Sensor for Sequentially Monitoring Zinc(II) and Cyanide Anion in Near-Perfect Aqueous Media. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 54-62.	1.8	38
108	Sequential Multiple-Target Sensor: In ³⁺ , Fe ²⁺ , and Fe ³⁺ Discrimination by an Anthracene-Based Probe. <i>Inorganic Chemistry</i> , 2019, 58, 13796-13806.	1.9	38

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109	Terminal and Internal Olefin Epoxidation with Cobalt(II) as the Catalyst: Evidence for an Active Oxidant Co^{II} -Acylperoxy Species. <i>Journal of Organic Chemistry</i> , 2012, 77, 7307-7312.	1.7	37
110	A highly sensitive and selective fluorescent chemosensor for the sequential recognition of Zn^{2+} and S^{2-} in living cells and aqueous media. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3108-3116.	4.0	37
111	Fluorescent detection of Zn(II) and In(III) and colorimetric detection of Cu(II) and Co(II) by a versatile chemosensor. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 65, 290-299.	2.9	37
112	Robust and Efficient Amide-Based Nonheme Manganese(III) Hydrocarbon Oxidation Catalysts: Substrate and Solvent Effects on Involvement and Partition of Multiple Active Oxidants. <i>Chemistry - A European Journal</i> , 2011, 17, 7336-7344.	1.7	36
113	A highly selective quinoline-based fluorescent sensor for Zn(II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 883-887.	2.0	36
114	A colorimetric Schiff base chemosensor for CN^{\sim} by naked-eye in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2015, 54, 73-76.	1.8	35
115	Highly selective and sensitive colorimetric chemosensor for detection of Co^{2+} in a near-perfect aqueous solution. <i>RSC Advances</i> , 2016, 6, 28081-28088.	1.7	35
116	Simultaneous bioimaging recognition of cation Al^{3+} and anion F^{\sim} by a fluorogenic method. <i>Dyes and Pigments</i> , 2016, 129, 43-53.	2.0	35
117	Anion effect on construction of zinc(II) coordination polymer with a chelating ligand 2,2'-dipyridylamine (Hdpa): Novel heterogeneous catalytic activities. <i>Inorganic Chemistry Communication</i> , 2007, 10, 287-291.	1.8	34
118	A highly selective fluorescent sensor for the detection of Al^{3+} and CN^{\sim} in aqueous solution: biological applications and DFT calculations. <i>New Journal of Chemistry</i> , 2016, 40, 8918-8927.	1.4	34
119	Highly Sensitive Dansyl-Based Chemosensor for Detection of Cu^{2+} in Aqueous Solution and Zebrafish. <i>ACS Omega</i> , 2019, 4, 12537-12543.	1.6	34
120	A hydrazone-quinoline-based chemosensor sensing In^{3+} and Zn^{2+} via fluorescence turn-on and ClO^{\sim} via color change in aqueous solution. <i>New Journal of Chemistry</i> , 2019, 43, 7320-7328.	1.4	34
121	A highly selective turn-on chemosensor for Zn^{2+} in aqueous media and living cells. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 1045-1053.	4.0	33
122	Synthesis, Characterization, and Catalytic Activities of A Nickel(II) Monoamido-Tetradentate Complex: Evidence For Ni^{III} -Oxo and Ni^{IV} -Oxo Species. <i>Chemistry - A European Journal</i> , 2017, 23, 3117-3125.	1.7	33
123	Colorimetric detection of iron and fluorescence detection of zinc and cadmium by a chemosensor containing a bio-friendly octopamine. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 442-452.	1.6	33
124	A fluorescent and colorimetric Schiff base chemosensor for the detection of Zn^{2+} and Cu^{2+} : Application in live cell imaging and colorimetric test kit. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 211, 34-43.	2.0	33
125	Amide-Based Nonheme Cobalt(III) Olefin Epoxidation Catalyst: Partition of Multiple Active Oxidants $\text{Co}^{\text{V}}\text{O}$, $\text{Co}^{\text{IV}}\text{O}$, and $\text{Co}^{\text{III}}\text{OO}(\text{O})\text{CR}$. <i>Chemistry - A European Journal</i> , 2012, 18, 6094-6101.	1.7	32
126	A thiol-containing colorimetric chemosensor for relay recognition of Cu^{2+} and S^{2-} in aqueous media with a low detection limit. <i>Inorganica Chimica Acta</i> , 2019, 492, 83-90.	1.2	32

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127	Sensing of zinc ions and sulfide using a highly practical and water-soluble fluorescent sensor: applications in test kits and zebrafish. <i>New Journal of Chemistry</i> , 2020, 44, 442-449.	1.4	32
128	A naked-eye detection of fluoride with urea/thiourea receptors which have both a benzophenone group and a nitrophenyl group as a signalling group. <i>Supramolecular Chemistry</i> , 2010, 22, 267-273.	1.5	31
129	Catalysis and molecular magnetism of dinuclear iron(III) complexes with N-(2-pyridylmethyl)-iminodiethanol/ate. <i>Dalton Transactions</i> , 2014, 43, 3999.	1.6	31
130	A highly selective colorimetric chemosensor for cyanide and sulfide in aqueous solution: experimental and theoretical studies. <i>New Journal of Chemistry</i> , 2016, 40, 7768-7778.	1.4	31
131	Crystal structures and catalytic activities of Zn(II) compounds containing btp ligands. <i>Inorganica Chimica Acta</i> , 2005, 358, 3659-3670.	1.2	30
132	A turn-on and reversible fluorescence sensor with high affinity to Zn ²⁺ in aqueous solution. <i>Tetrahedron Letters</i> , 2014, 55, 2517-2522.	0.7	30
133	A dual chemosensor: Colorimetric detection of Co ²⁺ and fluorometric detection of Zn ²⁺ . <i>Journal of Luminescence</i> , 2016, 179, 602-609.	1.5	30
134	Experimental and theoretical studies for sequential detection of copper(II) and cysteine by a colorimetric chemosensor. <i>Tetrahedron</i> , 2016, 72, 875-881.	1.0	30
135	A new Schiff-based chemosensor for chromogenic sensing of Cu ²⁺ , Co ²⁺ and S ²⁻ in aqueous solution: experimental and theoretical studies. <i>New Journal of Chemistry</i> , 2017, 41, 3991-3999.	1.4	30
136	Relay detection of Zn ²⁺ and S ²⁻ by a quinoline-based fluorescent chemosensor in aqueous media and zebrafish. <i>Dyes and Pigments</i> , 2019, 165, 264-272.	2.0	30
137	Novel polymer-supported ruthenium and iron complexes that catalyze the conversion of epoxides into diols or diol mono-ethers: clean and recyclable catalysts. <i>New Journal of Chemistry</i> , 2007, 31, 1579.	1.4	29
138	Construction of Cd(II) compounds with a chelating ligand 2,2'-dipyridylamine (Hdpa): Anion effect, catalytic activities and luminescence. <i>Polyhedron</i> , 2010, 29, 773-786.	1.0	29
139	Highly selective recognition of mercury ions through the "naked-eye". <i>Inorganic Chemistry Communication</i> , 2014, 46, 43-46.	1.8	28
140	A fluorescent chemosensor for Al ³⁺ based on julolidine and tryptophan moieties. <i>Tetrahedron</i> , 2016, 72, 1998-2005.	1.0	28
141	A new indazole-based colorimetric chemosensor for sequential detection of Cu ²⁺ and GSH in aqueous solution. <i>Tetrahedron</i> , 2017, 73, 4750-4757.	1.0	28
142	A Colorimetric and Fluorescent Chemosensor for the Selective Detection of Cu ²⁺ and Zn ²⁺ Ions. <i>Journal of Fluorescence</i> , 2017, 27, 357-367.	1.3	28
143	A novel displacement-type colorimetric chemosensor for the detection of Cu ²⁺ and GSH in aqueous solution. <i>RSC Advances</i> , 2016, 6, 74400-74408.	1.7	27
144	Real-time detection of DNA cleavage induced by [M(2,2'-dipyridylamine) ₂ (NO ₃) _n] ^{x+} (M=Cd, Cu, Ni, Zn,) <i>Tetrahedron Letters</i> , 2016, 47, 1500-1504.	1.5	26

#	ARTICLE	IF	CITATIONS
145	A simple colorimetric chemosensor bearing a carboxylic acid group with high selectivity for CN ⁻ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 771-775.	2.0	26
146	Dinuclear Iron(III) and Nickel(II) Complexes Containing 2-(2-pyridylmethyl)pyridine and 2-(2-hydroxyethyl)ethylenediamine: Catalytic Oxidation and Magnetic Properties. <i>Chemistry - A European Journal</i> , 2017, 23, 3023-3033.		26
147	Determination of Zinc Ion by a Quinoline-Based Fluorescence Chemosensor. <i>Journal of Fluorescence</i> , 2020, 30, 347-356.	1.3	26
148	ZnII coordination polymers constructed with malonate and bipyridyl ligands: Photoluminescence and heterogeneous catalytic reactivity. <i>Polyhedron</i> , 2013, 53, 166-171.	1.0	25
149	Fluorescence "off-on" chemosensor for the sequential recognition of Hg ²⁺ and cysteine in water. <i>RSC Advances</i> , 2015, 5, 38308-38315.	1.7	25
150	A thiophene-based blue-fluorescent emitting chemosensor for detecting indium (III) ion. <i>Inorganic Chemistry Communication</i> , 2018, 97, 171-175.	1.8	25
151	A Multi-Responsive Naphthalimide-Based "Turn-on" Fluorescent Chemosensor for Sensitive Detection of Trivalent Cations Ga ³⁺ , Al ³⁺ and Cr ³⁺ . <i>Journal of Fluorescence</i> , 2018, 28, 785-794.	1.3	25
152	Crystal structures and catalytic activities of Zn(II) compounds containing 1,3-bis(4-pyridyl)propane. <i>Inorganica Chimica Acta</i> , 2006, 359, 2534-2542.	1.2	24
153	Zinc(II) polymeric compounds with a chelating ligand bis(2-pyridylmethyl)amine (bispicam) directed by intermolecular C/N/O...H...X (X=Cl, Br, I) interactions: Catalytic activities. <i>Journal of Molecular Structure</i> , 2008, 890, 123-129.	1.8	24
154	A highly selective fluorescent chemosensor based on a quinoline derivative for zinc ions in pure water. <i>RSC Advances</i> , 2015, 5, 60796-60803.	1.7	24
155	Trinuclear nickel and cobalt complexes containing unsymmetrical tripodal tetradentate ligands: syntheses, structural, magnetic, and catalytic properties. <i>Dalton Transactions</i> , 2016, 45, 14089-14100.	1.6	24
156	Chromogenic naked-eye detection of copper ion and fluoride. <i>RSC Advances</i> , 2015, 5, 86463-86472.	1.7	23
157	A new Dual-Channel Chemosensor Based on Chemodosimeter Approach for Detecting Cyanide in Aqueous Solution: a Combination of Experimental and Theoretical Studies. <i>Journal of Fluorescence</i> , 2015, 25, 1449-1459.	1.3	22
158	A colorimetric chemosensor for the sequential recognition of Mercury (II) and iodide in aqueous media. <i>Inorganic Chemistry Communication</i> , 2016, 70, 147-152.	1.8	22
159	A dual target chemosensor for the fluorometric detection of In ³⁺ and colorimetric detection of Fe ³⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 205, 622-629.	2.0	22
160	A multiple target chemosensor for the sequential fluorescence detection of Zn ²⁺ and S ²⁻ and the colorimetric detection of Fe ³⁺ /2+ in aqueous media and living cells. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 166-176.	1.6	22
161	A benzyl carbazate-based fluorescent chemosensor for detecting Zn ²⁺ : Application to zebrafish. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117787.	2.0	22
162	Novel receptors with quinoline and amide moieties for the biologically important ions. <i>Tetrahedron Letters</i> , 2010, 51, 6658-6662.	0.7	21

#	ARTICLE	IF	CITATIONS
163	Anion effects on construction of cadmium(II) compounds with a chelating ligand bis(2-pyridylmethyl)amine: Their photoluminescence and catalytic activities. <i>Inorganica Chimica Acta</i> , 2012, 387, 106-116.	1.2	21
164	Synthesis, DNA binding profile and DNA cleavage pathway of divalent metal complexes. <i>RSC Advances</i> , 2015, 5, 68067-68075.	1.7	21
165	A single chemosensor for the detection of dual analytes Cu ²⁺ and S ²⁻ in aqueous media. <i>Tetrahedron</i> , 2016, 72, 3930-3938.	1.0	21
166	A highly selective colorimetric chemosensor for sequential detection of Fe ³⁺ and pyrophosphate in aqueous solution. <i>Tetrahedron</i> , 2017, 73, 6624-6631.	1.0	21
167	Synthesis, Characterization, and Efficient Catalytic Activities of a Nickel(II) Porphyrin: Remarkable Solvent and Substrate Effects on Participation of Multiple Active Oxidants. <i>Chemistry - A European Journal</i> , 2017, 23, 11969-11976.	1.7	21
168	A Phenanthroimidazole-based Fluorescent Turn-Off Chemosensor for the Selective Detection of Cu ²⁺ in Aqueous Media. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 925-930.	1.0	21
169	A visible chemosensor based on carbohydrazide for Fe(II), Co(II) and Cu(II) in aqueous solution. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1249-1258.	1.6	21
170	A simple hydrazine-based probe bearing anthracene moiety for the highly selective detection of hypochlorite. <i>Inorganic Chemistry Communication</i> , 2019, 101, 1-5.	1.8	21
171	A Novel Benzimidazole-Based Fluorescence Probe for Detecting Zinc Ion in Aqueous Solution and Zebrafish. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 961-966.	2.0	20
172	Developing a new chemosensor targeting zinc ion based on two types of quinoline platform. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 241, 118652.	2.0	20
173	Syntheses and structures of Ag(I) compounds containing btp ligands. <i>Inorganica Chimica Acta</i> , 2005, 358, 3398-3406.	1.2	19
174	Fine tuning of receptor polarity for the development of selective naked eye anion receptor. <i>Tetrahedron Letters</i> , 2011, 52, 3361-3366.	0.7	19
175	Fluorescent chemosensor based on bispicolylamine for selective detection of magnesium ions. <i>Supramolecular Chemistry</i> , 2013, 25, 65-68.	1.5	19
176	Oxidative DNA cleavage by Cu(II) complexes: Effect of periphery substituent groups. <i>Journal of Inorganic Biochemistry</i> , 2015, 153, 143-149.	1.5	19
177	A fluorescent and colorimetric chemosensor for Ga ³⁺ and CN ⁻ . <i>Inorganica Chimica Acta</i> , 2018, 479, 154-160.	1.2	19
178	A multi-functional chemosensor for highly selective ratiometric fluorescent detection of silver(I) ion and dual turn-on fluorescent and colorimetric detection of sulfide. <i>Royal Society Open Science</i> , 2018, 5, 180293.	1.1	19
179	Selective chemosensor capable of sensing both CN ⁻ and Zn ²⁺ : Its application to zebrafish. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126814.	4.0	19
180	A thiourea-naphthol based turn-on fluorescent sensor for detecting In ³⁺ and its application. <i>Inorganic Chemistry Communication</i> , 2020, 112, 107752.	1.8	19

#	ARTICLE	IF	CITATIONS
181	A thiourea-based fluorescent chemosensor for bioimaging hypochlorite. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 89, 436-441.	2.9	19
182	Selective Fe ²⁺ Ion Recognition Using a Fluorescent Pyridinyl-benzoimidazole-derived Ionophore. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 3625-3628.	1.0	19
183	Sequential detection of mercury(ⁱⁱ) and thiol-containing amino acids by a fluorescent chemosensor. <i>RSC Advances</i> , 2016, 6, 4212-4220.	1.7	18
184	Furan and Julolidine-Based "Turn-on" Fluorescence Chemosensor for Detection of F ⁺ in a Near-Perfect Aqueous Solution. <i>Journal of Fluorescence</i> , 2017, 27, 1457-1466.	1.3	18
185	A Highly Selective Fluorescent Chemosensor for Detecting Indium(III) with a Low Detection Limit and its Application. <i>Journal of Fluorescence</i> , 2018, 28, 1363-1370.	1.3	18
186	A Novel Thiophene-Based Fluorescent Chemosensor for the Detection of Zn ²⁺ and CN ⁻ : Imaging Applications in Live Cells and Zebrafish. <i>Sensors</i> , 2019, 19, 5458.	2.1	18
187	A colorimetric chemosensor for selective detection of copper ions. <i>Coloration Technology</i> , 2020, 136, 459-467.	0.7	18
188	Simple urea/thiourea sensors for the biologically important ions. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011, 70, 29-35.	1.6	17
189	A colorimetric chemosensor for sulfide in a near-perfect aqueous solution: practical application using a test kit. <i>RSC Advances</i> , 2016, 6, 85091-85099.	1.7	17
190	A rhodanine-based fluorescent chemosensor for sensing Zn ²⁺ and Cd ²⁺ : Applications to water sample and cell imaging. <i>Inorganica Chimica Acta</i> , 2020, 513, 119936.	1.2	17
191	Epoxidation of Olefins with H ₂ O ₂ Catalyzed by an Electronegatively-Substituted Iron Porphyrin Complex in Aprotic Solvent. <i>Chemistry Letters</i> , 1998, 27, 837-838.	0.7	16
192	An asymmetric naked-eye chemo-sensor for Cu ²⁺ in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2015, 51, 90-94.	1.8	16
193	Nonheme iron complex-catalyzed efficient alcohol oxidation by t-BuOOH with N-hydroxyphthalimide (NHPI) as co-catalyst: Implication of high valent iron-oxo species. <i>Inorganica Chimica Acta</i> , 2016, 451, 8-15.	1.2	16
194	Sequential detection of Fe ^{3+/2+} and pyrophosphate by a colorimetric chemosensor in a near-perfect aqueous solution. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1812-1820.	1.6	16
195	An Acridine-Based Fluorescent Sensor for Monitoring ClO ⁻ in Water Samples and Zebrafish. <i>Sensors</i> , 2020, 20, 4764.	2.1	16
196	An effective phthalazine-imidazole-based chemosensor for detecting Cu ²⁺ , Co ²⁺ and S ²⁻ via the color change. <i>Inorganica Chimica Acta</i> , 2020, 511, 119788.	1.2	16
197	A benzothiazole-based fluorescent and colorimetric probe for the detection of ClO ⁻ and its application to zebrafish and water sample. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 270, 120827.	2.0	16
198	A NBD-based highly sensitive and selective colorimetric chemosensor for Ni ²⁺ and Cu ²⁺ . <i>Inorganic Chemistry Communication</i> , 2017, 77, 6-10.	1.8	15

#	ARTICLE	IF	CITATIONS
199	Detection of zinc (II) and hypochlorite by a thiourea-based chemosensor via two emission channels and its application in vivo. <i>Microchemical Journal</i> , 2020, 155, 104788.	2.3	15
200	Real-time detection of DNA cleavage induced by [M(2,2'-bipyridine) ₂ (NO ₃) ₂] (M=Cu(II), Zn(II) and Tl(III)). <i>Journal of Inorganic Biochemistry</i> , 2019, 190, 110714.	1.5	14
201	A zinc fluorescent sensor used to detect mercury (II) and hydrosulfide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 178, 203-211.	2.0	14
202	Fluorescent detection of Zn ²⁺ and Cu ²⁺ by a phenanthrene-based multifunctional chemosensor that acts as a basic pH indicator. <i>Inorganica Chimica Acta</i> , 2018, 482, 375-383.	1.2	14
203	A conjugated Schiff base-based chemosensor for selectively detecting mercury ion. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	0.7	14
204	A multi-functional picolinohydrazide-based chemosensor for colorimetric detection of iron and dual responsive detection of hypochlorite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 245, 118899.	2.0	14
205	A Benzothiazole-Based Fluorescence Turn-on Sensor for Copper(II). <i>Journal of Fluorescence</i> , 2021, 31, 1203-1209.	1.3	14
206	DNA cleavage induced by [Cu(L) _x (NO ₃) ₂] (L=2,2'-dipyridylamine, 2,2'-bipyridine, dipicolylamine, x=1 or 2): Effect of the ligand structure. <i>Journal of Inorganic Biochemistry</i> , 2014, 131, 79-86.	1.5	13
207	Distinction between Mn(III) and Mn(II) by using a colorimetric chemosensor in aqueous solution. <i>RSC Advances</i> , 2015, 5, 95618-95630.	1.7	13
208	A discrete {Co ₄ (μ ₃ -OH) ₄ } ⁴⁺ cluster with an oxygen-rich coordination environment as a catalyst for the epoxidation of various olefins. <i>Dalton Transactions</i> , 2016, 45, 1727-1736.	1.6	13
209	Naphthalimide-based Probe for the Detection of Hypochlorite in a Near-perfect Aqueous Solution. <i>Analytical Sciences</i> , 2019, 35, 1189-1193.	0.8	13
210	Naphthol-naphthalimide based "turn-on" fluorescent sensor for ClO ⁻ in aqueous media and test kit. <i>Inorganic Chemistry Communication</i> , 2019, 108, 107545.	1.8	13
211	A dual-response sensor based on NBD for the highly selective determination of sulfide in living cells and zebrafish. <i>New Journal of Chemistry</i> , 2019, 43, 4029-4035.	1.4	13
212	Anion effects on construction of Zn(II) compounds with a chelating ligand bis(2-pyridylmethyl)amine and their catalytic activities. <i>Inorganica Chimica Acta</i> , 2011, 366, 337-343.	1.2	12
213	A Turn-on Fluorescent Chemosensor for Zn ²⁺ Based on Quinoline in Aqueous Media. <i>Journal of Fluorescence</i> , 2016, 26, 835-844.	1.3	12
214	Selective detection of Cu ²⁺ and S ²⁻ by a colorimetric chemosensor: Experimental and theoretical calculations. <i>Inorganica Chimica Acta</i> , 2018, 471, 709-717.	1.2	12
215	Colorimetric detection of Fe ³⁺ and fluorescent detection of Al ³⁺ in aqueous media: applications and DFT calculations. <i>Journal of Coordination Chemistry</i> , 2018, 71, 2401-2414.	0.8	12
216	Cinnamaldehyde-Based Chemosensor for Colorimetric Detection of Cu ²⁺ and Hg ²⁺ in a Near-perfect Aqueous Solution. <i>ChemistrySelect</i> , 2019, 4, 2795-2801.	0.7	12

#	ARTICLE	IF	CITATIONS
217	Simultaneous Detection of Cu ²⁺ and Co ²⁺ by a Water-Soluble Carboxamide-Based Colorimetric Chemosensor. <i>ChemistrySelect</i> , 2020, 5, 1103-1108.	0.7	12
218	A benzyl carbazate-based colorimetric chemosensor for relay detection of Cu ²⁺ and S ²⁻ in near-perfect aqueous media. <i>Journal of Molecular Structure</i> , 2021, 1240, 130576.	1.8	12
219	A novel selective colorimetric chemosensor for Cu ²⁺ in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2014, 49, 68-71.	1.8	11
220	A Thiourea-Containing Fluorescent Chemosensor for Detecting Ga ³⁺ . <i>Journal of Fluorescence</i> , 2020, 30, 1457-1462.	1.3	11
221	Catalytic transesterification reactions of one-dimensional coordination polymers containing paddle-wheel-type units connected by various bridging ligands. <i>Inorganica Chimica Acta</i> , 2013, 402, 39-45.	1.2	10
222	Non-Heme Iron Catalysts for Olefin Epoxidation: Conformationally Rigid Aryl-Aryl Junction To Support Amine/Imine Multidentate Ligands. <i>Chemistry - A European Journal</i> , 2018, 24, 8632-8638.	1.7	10
223	Selective tuning of activity in a multifunctional enzyme as revealed in the F21W mutant of dehaloperoxidase B from <i>Amphitrite ornata</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 209-219.	1.1	10
224	A naphthyl thiourea-based effective chemosensor for fluorescence detection of Ag ⁺ and Zn ²⁺ . <i>Luminescence</i> , 2021, 36, 1725-1732.	1.5	10
225	A selective fluorescence sensor for hypochlorite used for the detection of hypochlorite in zebrafish. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 261, 120059.	2.0	10
226	An NBD-based fluorescent and colorimetric chemosensor for detecting S ²⁻ : Practical application to zebrafish and water samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 276, 121207.	2.0	10
227	Crystallographic report: A coordination polymer containing [Zn(NO ₃)(H ₂ O) ₂ (btp) ₂] ⁺ units bridged by btp ligands (btp = 2,6-bis(N ¹ ,2,4-triazolyl)pyridine). <i>Applied Organometallic Chemistry</i> , 2003, 17, 805-806.	1.7	9
228	Simultaneous Detection of F ⁻ and CN ⁻ by a Simple Colorimetric Chemosensor with High Selectivity. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 1618-1624.	1.0	9
229	Colorimetric Detection of Co ²⁺ , Cu ²⁺ , and Zn ²⁺ by a Multifunctional Chemosensor in Aqueous Solution. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 650-657.	1.0	9
230	Proton Switch in the Secondary Coordination Sphere to Control Catalytic Events at the Metal Center: Biomimetic Oxo Transfer Chemistry of Nickel Amidate Complex. <i>Chemistry - A European Journal</i> , 2021, 27, 4700-4708.	1.7	9
231	Ratiometric fluorescence In ³⁺ sensing via In ³⁺ -triggered tautomerization: Its applications to water samples, live cells and zebrafish. <i>Dyes and Pigments</i> , 2020, 183, 108704.	2.0	8
232	A pyrene-mercapto-based probe for detecting Ag ⁺ by fluorescence turn-on. <i>Inorganic Chemistry Communication</i> , 2020, 118, 108044.	1.8	8
233	An effective colorimetric sensor for detecting Cu ²⁺ based on benzothiazole moiety. <i>Coloration Technology</i> , 2021, 137, 512-519.	0.7	8
234	A naked-eye sulfonamide-based colorimetric and fluorescent turn-on chemosensor for detecting fluoride. <i>Journal of Molecular Structure</i> , 2022, 1254, 132307.	1.8	8

#	ARTICLE	IF	CITATIONS
235	A Practical Hydrazine-Carbothioamide-Based Fluorescent Probe for the Detection of Zn ²⁺ : Applications to Paper Strip, Zebrafish and Water Samples. <i>Chemosensors</i> , 2022, 10, 32.	1.8	8
236	Selective detection of Cu ²⁺ by benzothiazole-based colorimetric chemosensor: a DFT study. <i>Journal of Chemical Sciences</i> , 2022, 134, 1.	0.7	8
237	A chalcone-based fluorescent chemosensor for detecting Mg ²⁺ and Cd ²⁺ . <i>Luminescence</i> , 2022, 37, 332-339.	1.5	8
238	A colorimetric Fâ” chemosensor with high selectivity: experimental and theoretical studies. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2016, 86, 111-119.	0.9	7
239	A simple colorimetric chemosensor for relay detection of Cu ²⁺ and S ²⁻ in aqueous solution. <i>Journal of Coordination Chemistry</i> , 2018, 71, 355-370.	0.8	7
240	Determination of Fe ²⁺ and Co ²⁺ by a Multiple-Target Colorimetric Chemosensor with Low Detection Limit in Aqueous Solution. <i>ChemistrySelect</i> , 2019, 4, 1199-1204.	0.7	7
241	A Chromone-Based Fluorescent Chemosensor for Detecting Cu ²⁺ . <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 201-204.	1.0	7
242	A chelated-type colorimetric chemosensor for sensing Co ²⁺ and Cu ²⁺ . <i>Inorganica Chimica Acta</i> , 2020, 505, 119502.	1.2	7
243	An Indole-Based Fluorescent Chemosensor for Detecting Zn ²⁺ in Aqueous Media and Zebrafish. <i>Sensors</i> , 2021, 21, 5591.	2.1	7
244	A solvent-dependent dual chemosensor for detecting Zn ²⁺ and Hg ²⁺ based on thiophene and thiourea functional groups by fluorescence turn-on. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 428, 113882.	2.0	7
245	Colorimetric Cyanide Chemosensor Based on an Amide-Pyrene Moiety: Experimental and Theoretical Studies. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 2640-2645.	1.0	6
246	Detection of Ga ³⁺ and Cu ²⁺ by a Simple Quinoline-Based Bifunctional Chemosensor. <i>Sensor Letters</i> , 2018, 16, 485-497.	0.4	6
247	Detection of Zinc(II) by a Fluorescence Chemosensor Based on Benzofuran in Aqueous Media and Live Cells. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 1373-1379.	1.0	6
248	A selective sulphur-containing colorimetric chemosensor for Cu ²⁺ . <i>Coloration Technology</i> , 2019, 135, 467-474.	0.7	6
249	An Acylhydrazone-Based Fluorescent Sensor for Sequential Recognition of Al ³⁺ and H ₂ PO ₄ ^{â”} . <i>Materials</i> , 2021, 14, 6392.	1.3	6
250	Chalcone-Based Colorimetric Chemosensor for Detecting Ni ²⁺ . <i>Chemosensors</i> , 2022, 10, 151.	1.8	6
251	Crystallographic report: [(1,3-Bis(4-pyridyl)propane)(diaqua)zinc(II)] diperchlorate dihydrate. <i>Applied Organometallic Chemistry</i> , 2004, 18, 369-370.	1.7	5
252	Crystallographic report: Coordination polymers containing Cd(NO ₃) ₂ and Cd(H ₂ O) ₂₂₊ units bridged by btp ligands (btp = 2,6-bis(N-1,2,4-triazolyl)pyridine). <i>Applied Organometallic Chemistry</i> , 2004, 18, 497-498.	1.7	5

#	ARTICLE	IF	CITATIONS
253	Synthesis of a Zn-salen resorcinarene-based cavitand and its fluorescence response to nitro compounds. <i>Supramolecular Chemistry</i> , 2014, 26, 245-250.	1.5	5
254	An Imidazo[1,5- \hat{b}]Pyridine-Based Fluorometric Chemodosimeter for the Highly Selective Detection of Hypochlorite in Aqueous Media. <i>Journal of Fluorescence</i> , 2019, 29, 451-459.	1.3	5
255	Development of an azo-naphthol-based probe for detecting hypochlorite (ClO \hat{a}) via color change in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2020, 121, 108244.	1.8	5
256	A New Reversible Colorimetric Chemosensor Based on Julolidine Moiety for Detecting F \hat{a} . <i>Journal of Fluorescence</i> , 2021, 31, 1675-1682.	1.3	5
257	A pyridine \hat{e} dicarbohydrazide \hat{e} -based chemosensor for detecting Al \hat{c} by fluorescence turn \hat{e} on. <i>Journal of the Chinese Chemical Society</i> , 2022, 69, 366-374.	0.8	5
258	The two-dimensional structure of poly[[diperchloratocopper(II)]-bis[$\hat{1}$ / $\hat{4}$ -2-1,3-bis(4-pyridyl)propane]]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m1489-m1491.	0.2	4
259	Mn(III) \hat{e} Porphyrin Containing Heterogeneous Catalyst based on Microporous Polymeric Constituents as a New Class of Catalyst Support. <i>ChemCatChem</i> , 2018, 10, 3974-3977.	1.8	4
260	An imine-based colorimetric chemodosimeter for the detection of hypochlorite \hat{c} in aqueous media: its application in test strips and real water samples. <i>Journal of Chemical Sciences</i> , 2019, 131, 1.	0.7	4
261	A Novel Thiosemicarbazide-Based Fluorescent Chemosensor for Hypochlorite in Near-Perfect Aqueous Solution and Zebrafish. <i>Chemosensors</i> , 2021, 9, 65.	1.8	4
262	Crown \hat{e} Ether Type Chemosensor for the Determination of Fe \hat{c} by a Colorimetric Method. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 1368-1374.	1.0	4
263	A Bithiophene \hat{e} -based Ratiometric Fluorescent Sensor for Sensing Cd \hat{c} . <i>ChemistrySelect</i> , 2021, 6, 8397-8401.	0.7	4
264	Detecting and bioimaging of hypochlorite by a conjugated fluorescent chemosensor based on thioamide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 421, 113531.	2.0	4
265	A selective chromone \hat{e} -based colorimetric chemosensor for detecting Cu \hat{c} in near \hat{e} perfect aqueous solution and test kit. <i>Journal of Heterocyclic Chemistry</i> , 2022, 59, 1357-1365.	1.4	4
266	Selective fluorescent detection of Zn \hat{c} by a rhodanine \hat{e} -based chemosensor. <i>Journal of the Chinese Chemical Society</i> , 2022, 69, 856-863.	0.8	4
267	Crystal Structure of 1,2-Bis(2-pyrazinecarboxamido)-4,5-dimethylbenzene. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2005, 21, X23-X24.	0.1	3
268	Crystal Structure of One-dimensional [ZnCl $\hat{2}$ (N $\hat{2}$ C $\hat{1}$ 3H $\hat{1}$ 4)] \hat{n} (N $\hat{2}$ C $\hat{1}$ 3H $\hat{1}$ 4 = 1,3-bis(4-pyridyl)propane). <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2005, 21, X203-X204.	0.1	3
269	catena-Poly[[dibromozinc(II)]- $\hat{1}$ / $\hat{4}$ -1,2-bis(4-pyridyl)ethane], a one-dimensional coordination polymer. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m1561-m1562.	0.2	3
270	A new anion receptor utilising aromatic and aliphatic C \hat{a} -H hydrogen bonds. <i>Supramolecular Chemistry</i> , 2012, 24, 738-742.	1.5	3

#	ARTICLE	IF	CITATIONS
271	Length tunable porphyrinoid porous coordination polymer rods and their heterogeneous catalytic study on olefin oxidation. <i>Inorganic Chemistry Communication</i> , 2013, 31, 29-32.	1.8	3
272	Preparation of a bispyridine based porous organic polymer as a new platform for Cu(II) catalyst and its use in heterogeneous olefin epoxidation. <i>New Journal of Chemistry</i> , 2018, 42, 14067-14070.	1.4	3
273	A Unique Thiosemicarbazide-Based Colorimetric Chemosensor for Fe ²⁺ in Pure Aqueous Solution with the Lowest Detection Limit. <i>ChemistrySelect</i> , 2020, 5, 10521-10525.	0.7	3
274	Construction of a Quinoline-Based Sequential Functioning Chromogenic Sensor for Copper(II) Ion and Biothiols: Its Application to Test Strips. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 756-760.	1.0	3
275	A recyclable diacylhydrazone-based turn-on fluorescent chemosensor for detecting Al ³⁺ and its practical applications. <i>Polyhedron</i> , 2022, 223, 115981.	1.0	3
276	Crystallographic report: [(Pyridine)(1,2-bis(2-pyrazinecarboxamido)-4,5-dimethylbenzene)zinc(II)] monohydrate. <i>Applied Organometallic Chemistry</i> , 2003, 17, 803-804.	1.7	2
277	Mononuclear manganese(III) complex with a monodeprotonated N-(2-pyridylmethyl)iminodiisopropanol ligand: synthesis, crystal structure, and catalytic properties. <i>Inorganica Chimica Acta</i> , 2019, 498, 119174.	1.2	2
278	A semi-carbazate-crown-based chemosensor for colorimetric detection of iron(III) and iron(II) in aqueous media with large bathochromic shift. <i>Coloration Technology</i> , 2019, 135, 152-159.	0.7	2
279	A Heterocyclic-based Bifunctional Sensor for Detecting Cobalt and Zinc Ion. <i>Analytical Sciences</i> , 2020, 36, 1535-1539.	0.8	2
280	A novel fluorescent chemosensor based on carbazate moiety for detection of Zn ²⁺ . <i>Journal of Chemical Sciences</i> , 2021, 133, 1.	0.7	2
281	A naphthol-based fluorescence turn-on sensor for detecting Ga(III) and its application to test strips. <i>Bulletin of the Korean Chemical Society</i> , 2022, 43, 305-311.	1.0	2
282	Sensitive fluorescent determination of indium (III) by a thiourea-quinoline-based chemosensor. <i>Instrumentation Science and Technology</i> , 2022, 50, 481-495.	0.9	2
283	Crystal Structure of Tetraethylammonium Dichloro[1,2-bis(2-pyridine-2-carboxamido)benzene]cobalt(III) Monohydrate. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2004, 20, X123-X124.	0.1	1
284	Crystal Structure of Bis(tert-butanol)-.ALPHA.,.BETA.,.GAMMA.,.DELTA.-tetraphenylporphyrinatomanganese(III) Perchlorate. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2004, 20, X109-X110.	0.1	1
285	Crystal Structure of [(1,2-bis(2-pyridine-2-carboxamido)-4,5-dimethylbenzene) (dipyridine)]cobalt(III) Perchlorate. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2005, 21, X39-X40.	0.1	1
286	Crystal Structure of 1,2-Bis(6-methylpyridine-2-carboxamido)-4,5-dimethylbenzene. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2006, 22, X37-X38.	0.1	1
287	Detection of hydrogen sulfide by a novel quinolone-based turn-on chemosensor in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2017, 84, 237-240.	1.8	1
288	Highly Selective Detection of Al ³⁺ by Carboxamide-Based Fluorescent Chemosensor. <i>Journal of Fluorescence</i> , 2022, 32, 825-833.	1.3	1

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289	A new sensitive and selective detection of Ga ³⁺ by thiophene-based turn-on fluorescent chemosensor. <i>Luminescence</i> , 2022, 37, 684-690.	1.5	1
290	A rhodamine B-based colorimetric chemosensor for sensitive and selective detection of Cu ²⁺ : Test strip analysis and density functional theory. <i>Coloration Technology</i> , 2023, 139, 4-15.	0.7	1
291	Crystal Structure of one-dimensional [ZnCl ₂ (N ₂ C ₁₂ H ₁₂)] _n (N ₂ C ₁₂ H ₁₂ = 1,2-bis(4-pyridyl)ethane). <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2005, 21, X65-X66.	0.1	0
292	Crystal Structure of a Coordination Polymer Cation of {[Ni(NO ₃)(H ₂ O) ₂ (btp)] ⁺ }. Bridged by Two btp Ligands (btp = 2,6-bis(N'-1,2,4-triazolyl)pyridine). <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2006, 22, X141-X142.	0.1	0
293	Frontispiece: Dinuclear Iron(III) and Nickel(II) Complexes Containing N,N'-bis(2-pyridylmethyl)N,N'-bis(2-hydroxyethyl)ethylenediamine: Catalytic Oxidation and Magnetic Properties. <i>Chemistry - A European Journal</i> , 2017, 23, .		0
294	Immediate detection of Co ²⁺ by a phthalazine-based colorimetric chemosensor. <i>Coloration Technology</i> , 0, , .	0.7	0
295	Synthesis, characterization and catalytic activities of nonheme manganese(III) complexes: Preferential formation of cis olefin oxide owing to steric hindrance. <i>Polyhedron</i> , 2022, 216, 115716.	1.0	0
296	A monomeric iron(III) compound containing N-(2-pyridylmethyl)iminodiisopropanolate and thiocyanato ligands: structure, magnetic and catalytic properties. <i>Inorganica Chimica Acta</i> , 2022, 535, 120877.	1.2	0